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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/781,585	02/13/2001	Akira Ishida	P101201-00013	9722
7590 04/03/2007 ARENT FOX KINTNER PLOTKIN & KAHN, PLLC Suite 600 1050 Connecticut Avenue, N.W. Washington, DC 20036-5339			EXAMINER	
			YUN, EUGENE	
			ART UNIT	PAPER NUMBER
			2618	
		-		
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MO	NTHS	04/03/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
Office Action Commonwe	09/781,585	ISHIDA, AKIRA				
Office Action Summary	Examiner	Art Unit				
	Eugene Yun	2618				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 20 De	ecember 2006.					
· _ · · ·	· ·					
3) Since this application is in condition for allowan	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
. 4)⊠ Claim(s) <u>1-3</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.		•				
6)⊠ Claim(s) <u>1-3</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.	•				
Application Papers						
<u> </u>						
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>03 February 2001</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:						
1.⊠ Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachmant/al						
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO/SB/08) Space No(s) Mail Date 6) Other:						
Paper No(s)/Mail Date 6) Other:						

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/20/2006 has been entered.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hakkinen et al. (US 2001/0023185) and Nakano (5,933,782) and further in view of Lindenmeier (US 6,011,962).

Referring to Claim 1, Hakkinen teaches a radio base station (fig. 2) for performing a radio communication with a plurality of mobile stations, the radio station being characterized by:

A capacity to establish a radio connection with each of the plurality of mobile stations, optionally using a space division multiplex method (paragraphs [0015] and [0022]).

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Hakkinen does not teach that when the radio base station starts a communication with one of the mobile stations by the space division multiplex method, transmitting an instruction to stop performing a diversity reception to the mobile station. Nakano teaches that when the radio base station starts a communication with one of the mobile stations by the space division multiplex method (see col. 9, lines 18-24), transmitting an instruction to stop performing a diversity reception to the mobile station (see the row labeled (4) in fig. 16 and col. 9, lines 32-38). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Nakano to said device of Hakkinen in order to maintain efficiency in RF communications and prevent the raising of bit rate.

The combination of Hakkinen and Nakano does not teach transmitting to the mobile station an instruction to stop performing a diversity reception that uses a plurality of antennas, and to start performing a reception that uses one antenna. Lindenmeier teaches transmitting to the mobile station an instruction to stop performing a diversity reception that uses a plurality of antennas, and to start performing a reception that uses one antenna (see col. 7, lines 11-18). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Lindenmeier to the modified device of Hakkinen and Nakano in order to consume more power in the communications system.

Referring to Claim 2, Hakkinen also teaches a creation means for creating a piece of traffic channel assignment information after receiving a traffic channel assignment request from a mobile station (see paragraph [0033]);

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An attachment means for attaching the diversity reception stop instruction to the piece of traffic channel assignment information (see paragraph [0040]) and

A transmission means for transmitting the piece of traffic channel assignment information with the diversity reception stop instruction, to the mobile station as a response to the traffic channel assignment request (see paragraph [0040]).

Referring to Claim 3, Hakkinen teaches a determination means for determining, after receiving a traffic channel assignment request from a mobile station, whether to allow the mobile station to space division multiplex with another mobile station which has communicated with the radio base station (see paragraphs [0015] and the second half of paragraph [0026]);

a creation means for creating a piece of traffic channel assignment information when the determination means determines to allow the mobile station to space division multiplex with the other mobile station (see paragraph [0015]);

An attachment means for attaching the diversity reception stop instruction to the piece of traffic channel assignment information (see paragraphs [0022] and [0040]) and

A transmission means for transmitting the piece of traffic channel assignment information with the diversity reception stop instruction, to the mobile station as a response to the traffic channel assignment request, and transmitting the diversity reception stop instruction to the other mobile station through a traffic channel (see paragraphs [0033] and [0040]).

Response to Arguments

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4. Applicant's arguments with respect to claims 1-3 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eugene Yun whose telephone number is (571) 272-7860. The examiner can normally be reached on 9:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on (571)272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Matthew D. Anderson Supervisory Patent Examiner Eugene Yun Examiner Art Unit 2618